

IN THE CLAIMS:

1. (Currently Amended): A method of packaging medications on demand, the method comprising:

grouping medications into dosage groups, wherein the dosage groups contain at least one element of medication and each element of medication in a dosage group should be taken by a patient at substantially the same time as other elements of medication in the same dosage group, and wherein grouping medications into dosage groups comprises checking a database for at least one of a potential interaction between one element of medication and other elements of medication in a same dosage group or a recommendation to not take one element of medication with other elements of medication in the same dosage group;

placing each dosage group of medication into a separate compartment in a package;

covering the compartments of the package and labeling compartments with patient customized information indicating a time for which the associated medications within the compartment should be taken by a patient, wherein covering the compartments provides a cover such that removal of a dosage group provides an indication to a patient that the dosage group has been taken by the patient.

2. (Currently Amended): The method as recited in claim 1, wherein the packaging package comprises one of a blister pack [[and]] or a foil pack.

3. (Original): The method as recited in claim 1, wherein labeling compartments further comprises providing instructions about use of at least one of the medications.

4. (Original): The method as recited in claim 1, further comprising:
including a food item in at least one compartment wherein the food item is to be taken with the dosage group contained in the at least one compartment.

5. (Original): The method as recited in claim 1, further comprising:
transmitting an order for medication to a pharmacy via a network.

6. (Currently Amended): The method as recited in claim 1, further comprising:
producing revised instructions to affix to the package packaging.
7. (Original): The method as recited in claim 6, wherein the revised instructions comprise a revised dosage schedule.
8. (Currently Amended): A computer program product in a computer readable media for use in a data processing system for controlling a medication packager, the computer program product comprising:
first instructions for instructing ~~[[a]]~~ the medication packager to group medications into dosage groups, wherein the dosage groups contain at least one element of medication and each element of medication in a dosage group should be taken by a patient at substantially the same time as other elements of medication in the same dosage group, and wherein first instructions for instructing the medication packager to group medications into dosage groups comprises second instructions to check a database for at least one of a potential interaction between one element of medication and other elements of medication in a same dosage group or a recommendation to not take one element of medication with other elements of medication in the same dosage group;
~~second~~ third instructions for instructing the medication packager to place each dosage group of medication into a separate compartment in a package;
~~third~~ fourth instructions for instructing the medication packager to cover the compartments of the package and labeling compartments with patient customized information indicating a time for which the associated medications within the compartment should be taken by a patient, wherein covering the compartments provides a cover such that removal of a dosage group provides an indication to a patient that the dosage group has been taken by the patient.
9. (Currently Amended): The computer program product as recited in claim 8, wherein the ~~packaging package~~ package comprises one of a blister pack ~~[[and]]~~ or a foil pack.
10. (Currently Amended): The computer program product as recited in claim 8, wherein labeling compartments further comprises ~~fourth~~ fifth instructions for instructing the medication packager to provide instructions about use of at least one of the medications.

11. (Currently Amended): The computer program product as recited in claim 8, further comprising:

~~fourth~~ sixth instructions for instructing the medication packager to include a food item in at least one compartment wherein the food item is to be taken with the dosage group contained in the at least one compartment.

12. (Currently Amended): The computer program product as recited in claim 8, further comprising:

~~fourth~~ seventh instructions for receiving an order for medication via a network.

13. (Currently Amended): The computer program product as recited in claim 8, further comprising:

~~fourth~~ eighth instructions for instructing the medication packager to produce revised instructions to affix to the package packaging.

14. (Original): The computer program product as recited in claim 13, wherein the revised instructions comprise a revised dosage schedule.

15. (Currently Amended): A system of packaging medications on demand, the system comprising:

a receiver for receiving an order for medication via a network;

a medication grouper which groups medications into dosage groups, wherein the dosage groups contain at least one element of medication and each element of medication in a dosage group should be taken by a patient at substantially the same time as other elements of medication in the same dosage group, and wherein the medication grouper which groups medication into dosage groups checks a database for at least one of a potential interaction between one element of medication and other elements of medication in a same dosage group or a recommendation to not take one element of medication with other elements of medication in the same dosage group;

a placement unit which places each dosage group of medication into a separate compartment in a package, wherein the package comprises one of a blister pack or a foil pack.

and wherein the placement unit includes a food item in at least one compartment wherein the food item is to be taken with the dosage group contained in the at least one compartment;

a package sealer which covers the compartments of the package; and

a labeler which labels compartments with patient customized information indicating a time for which the associated medications within the compartment should be taken by a patient, wherein covering the compartments provides a cover such that removal of a dosage group provides an indication to a patient that the dosage group has been taken by the patient, wherein the labeler provides instructions about use of at least one of the medications, and wherein the labeler produces revised instructions to affix to the package, and wherein the revised instructions comprise a revised dosage schedule.

16-21. (Cancelled)